

# 2U Ultra Compact System

1-6K- WATTS COMMUNICATIONS

## FEATURES

- Ultra compact designed
- World leading power density
- Fully featured telecom grade rectifiers
- Network monitoring available
- Redundancy N+1 operation
- Full remote monitoring, SM32 supervisory module
- Easily customized and configured
- -48V standard systems
- 24V systems available upon request






## SPECIFICATIONS

INPUT	
AC input	240V AC (90-300V) Single phase or 415V AC Three phase (shelf type dependant)*
Frequency range	45-66 Hz
Power factor	>0.99 full load
Termination	Single phase, 6 - 10mm <sup>2</sup> L, N, E tunnel terminals* Three phase, 6 - 10 mm <sup>2</sup> L1,L2,L3,N,E terminals * (Single phase by linking line terminals)
DC OUTPUT	
Nominal voltage	-48V (+48V or +24V optional)*
Rated system output power	6-8k Watts @ -48V (refer to table) 3-4k Watts @ 24V
Polarity	Positive earth, (negative earth option available)*
DC DISTRIBUTION	
Load	Standard Shelf configuration. (Customized configuration available)*
Battery	Standard Shelf configuration (Customized configuration available)*
Breaker fail detection	Electronic fail detection on both load and battery breakers

DC terminals	Rear Connect DIN Rail
Load	Tunnel terminals 6 to 16mm <sup>2</sup> *
Battery	Tunnel terminals 10 to 35mm <sup>2</sup> *
Low voltage disconnect	See Shelf configuration

MONITORING & CONTROL	
	System monitoring via the SM32 supervisory module. Standard features include full temperature compensation, automated and manual battery testing/equalization, 6x general purpose inputs and 6x voltage-free relay alarm outputs. For further details refer to SM32 series.

MECHANICAL	
Dimensions, W, H, D	482.6mm (standard 19" module), 89mm (2U), 350mm (390mm with cable strain relief).
Weight	9kg (excluding rectifier modules)
*Shelf type dependant consult Powerbox office for details Suitable for RM1860, 2048, 2048/24 rectifier module.	

	MAX NO OF RECTIFIERS	MAX SHELF POWER	STANDARD DC DISTRIBUTION
	3	6kW @ - 48V 3kW @ - 24V	2 x 10A, 2 x 20A, 2 x 32A load MCB 2 x 63A battery MCB 125A battery LVD
	3	6kW @ - 48V 3kW @ - 24V	8 x 10A, 4 x 20A, 4 x 30A load MCB 2 x 100A battery MCB 125A battery LVD
	4	8kW @ - 48V 4kW @ - 24V	2 x 20A, 2 x 63A load MCB 2 x 100A battery MCB 150A battery LVD